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☐ 1. Document ID: US 20020037859 A1

L3: Entry 1 of 7 File: PGPB Mar 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020037859
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020037859 A1

TITLE: 3-substituted pyrrolidines useful as inhibitors of matrix metalloproteinases

PUBLICATION-DATE: March 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Flynn, Gary A.	Tucson	AZ	US	

US-CL-CURRENT: 514/19; 544/141, 546/193, 546/207, 546/279.1, 548/314.7, 548/468, 548/518, 548/530

ABSTRACT:

The present invention provides novel 3-substituted pyrrolidines of the formula 1

useful in as inhibitors of matrix metallo-proteinases (MMPs). Pharmaceutical compositions containing said compounds as well as methods of treating disease states responding to inhibition of matrix metalloproteinase are also claimed herein.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Desc | Image

☐ 2. Document ID: US 6335333 B1

L3: Entry 2 of 7 File: USPT Jan 1, 2002

US-PAT-NO: 6335333
DOCUMENT-IDENTIFIER: US 6335333 B1

TITLE: N-arylsulfonylamino acid omega-amides

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schwab; Wilfried	Wiesbaden			DEX
Thorwart; Werner	Hochheim			DEX
Schudok; Manfred	Eppstein/Ts.			DEX
Haase; Burkhard	Hofheim			DEX

US-CL-CURRENT: 514/231.2; 514/237.8, 544/162, 544/170, 544/171

ABSTRACT:

Compounds of the formula I: ##STR1##

stereoisomeric forms, and physiologically tolerable salts thereof are suitable for the production of pharmaceuticals for the therapy and prophylaxis of disorders involving matrix-degrading metalloproteinases.

4 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Desc | Image

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☐ 3. Document ID: US 6201130 B1

L3: Entry 3 of 7 File: USPT Mar 13, 2001

US-PAT-NO: 6201130
DOCUMENT-IDENTIFIER: US 6201130 B1

TITLE: N-arylsulfonylamino acid omega-amides

DATE-ISSUED: March 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schwab; Wilfried	Wiesbaden			DEX
Thorwart; Werner	Hochheim			DEX
Schudok; Manfred	Eppstein/Ts.			DEX
Haase; Burkhard	Hofheim			DEX

US-CL-CURRENT: 548/452; 548/454, 548/572, 548/574, 548/575

ABSTRACT:

Compounds of the formula I: ##STR1##

stereoisomeric forms, and physiologically tolerable salts thereof are suitable for the production of pharmaceuticals for the therapy and prophylaxis of disorders involving matrix-degrading metalloproteinases.

6 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

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☐ 4. Document ID: US 6187907 B1

L3: Entry 4 of 7 File: USPT Feb 13, 2001

US-PAT-NO: 6187907

DOCUMENT-IDENTIFIER: US 6187907 B1

TITLE: Triple helix coil template having a biologically active ligand

DATE-ISSUED: February 13, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; James	Pomona	NY	10970	
Yeh; Li-An	N. Grafton	MA	01536	

US-CL-CURRENT: 530/345; 530/356, 530/402

ABSTRACT:

A template-ligand conjugate including (1) a template made of three cross-linked polypeptide chains, wherein the three polypeptide chains each contain tripeptide or hexapeptide repeat sequences aligned to form a triple helix coil; and (2) at least one biologically active ligand attached to the template via covalent bonding with one of the three polypeptide chains.

27 Claims, 0 Drawing figures
Exemplary Claim Number: 1

☐ 5. Document ID: US 6068990 A

L3: Entry 5 of 7 File: USPT May 30, 2000

US-PAT-NO: 6068990
DOCUMENT-IDENTIFIER: US 6068990 A

TITLE: Proteins, their production and use

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shintani; Yasushi	Tsukuba			JPX
Nishi; Kazunori	Tsukuba			JPX
Kawamoto; Tomohiro	Osaka			JPX

US-CL-CURRENT: 435/69.1; 435/219, 435/226, 435/252.3, 435/320.1, 530/350, 536/23.1, 536/23.2, 536/23.5

ABSTRACT:

This invention relates to a novel calpain having a proteolytic activity, its partial peptide or a salt either of them, a DNA coding for the protein, a recombinant vector comprising the DNA, a transformant carrying the recombinant vector, a process for producing the protein, a pharmaceutical composition comprising the DNA, an antibody against the protein, a method for screening for a compound which activates or inhibits a proteolytic activity of the protein, a kit for screening for the compound, and a compound which activates or inhibits a proteolytic activity of the protein which is identified by the screening method or the kit. The DNA coding for the protein of the present invention can be used as a therapeutic and prophylactic composition for a variety of diseases including tumor, cerebral apoplexy, cerebral

infarction, subarachnoid hemorrhage, Alzheimer's disease, myodystrophy, cataract, ischemic heart disease, atherosclerosis, arthritis, and collagen disease. Furthermore, the protein of the present invention is useful as a screening reagent for any compounds which activates or inhibits the function of the protein of the present invention. In addition, the antibody against the protein of the present invention specifically recognizes the protein of the present invention and can be used in the quantitative determination of the protein of the present invention in a test fluid.

5 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw. Desc | Image

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☐ 6. Document ID: US 5874277 A

L3: Entry 6 of 7 File: USPT Feb 23, 1999

US-PAT-NO: 5874277
DOCUMENT-IDENTIFIER: US 5874277 A

TITLE: Proteins, their production and use

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shintani; Yasushi	Tsukuba			JPX
Nishi; Kazunori	Tsukuba			JPX
Kawamoto; Tomohiro	Ikeda			JPX

US-CL-CURRENT: 435/219; 435/226, 435/23, 435/69.1, 435/7.6, 435/7.9, 530/350

ABSTRACT:

This invention relates to a novel calpain having a proteolytic activity, its partial peptide or a salt either of them, a DNA coding for the protein, a recombinant vector comprising the DNA, a transformant carrying the recombinant vector, a process for producing the protein, a pharmaceutical composition comprising the DNA, an antibody against the protein, a method for screening for a compound which activates or inhibits a proteolytic activity of the protein, a kit for screening for the compound, and a compound which activates or inhibits a proteolytic activity of the protein which is identified by the screening method or the kit. The DNA coding for the protein of the present invention can be used as a therapeutic and prophylactic composition for a variety of diseases including tumor, cerebral apoplexy, cerebral infarction, subarachnoid hemorrhage, Alzheimer's disease, myodystrophy, cataract, ischemic heart disease, atherosclerosis, arthritis, and collagen disease. Furthermore, the protein of the present invention is useful as a screening reagent for any compounds which activates or inhibits the function of the protein of the present invention. In addition, the antibody against the protein of the present invention specifically recognizes the protein of the present invention and can be used in the quantitative determination of the protein of the present invention in a test fluid.

5 Claims, 11 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 8

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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☐ 7. Document ID: US 5770691 A

L3: Entry 7 of 7 File: USPT Jun 23, 1998

US-PAT-NO: 5770691
DOCUMENT-IDENTIFIER: US 5770691 A

TITLE: Discriminatory substrates for MMP hydrolysis

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fields; Gregg B.	Brooklyn Park	MN		
Nagase; Hideaki	Fairway	KS		

US-CL-CURRENT: 530/328; 424/49, 424/94.3, 435/23, 435/24, 530/300

ABSTRACT:

A method of screening a sample for the presence of a matrix metalloproteinase employing discriminatory peptide substrates is provided. The method involves providing a peptide substrate of 6-14 amino acid residues containing at least one matrix metalloproteinase cleavage site. The peptide substrate contains Mca as a fluorogenic group and Lys(Dnp) as a quenching group separated by at least four amino acid residues, wherein the peptide substrate is specific for the matrix metalloproteinase of interest. The peptide substrate is combined with a sample containing at least one matrix metalloproteinase to form a mixture. The fluorescence of the mixture is monitored to determine if the matrix metalloproteinase of interest is present.

2 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
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(L2 AND DIAMINOPROPIONYL).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	7

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